REV.	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR.

SEE SHEET 1

+5V

U14 8255A H

P7-L/I, P6-L/I, P5-L/I, P4-L/I, P7-O/I, P6-O/I, P5-O/I, P4-O/I, RESET OUT, CS-8255

C42 1

DB7 DB6 DB5 DB4 DB3 DB2 DB1 DB0

U16 DAC-08 H

RN2 2.7K,2%

C13 100PF

U19 LF347

R9 51

E2

C19 .01

C20 .1

C21 .1

-12V +12V

U17 DAC-08 H

C22 .01

C23 .1

C24 .1

E1

C14 100PF

R8 51

TP1 TP2 TP3 TP4

A-OUT2 SH.1/D7

REFGND SH.1/B7

A-OUT1 SH.1/D7

+5.12V REF SH.1/B7

+5.090V

R6 118,1%

R7 20k,1%

U11 U12 LF347

CR1 CR2 CR3 CR4 CR5 CR6 CR7 CR8 CR9 CR10 1N4148

A-IN8 A-IN7 A-IN6 A-IN5 A-IN4 A-IN3 A-IN2 A-IN1 SH.1/D7

RN1 10K

C56 .047

DB0-DB7 SH.2/B1

A0 A1 A2 RD SH.2/B1

CS-ADC SH.2/C8

WR SH.2/B1

500KHZ SH.2/D8

U13 74LS02

R10 4.7K

R11 2.7

R12 10K

R13 51

VR1 LM336Z-5.0 ADJ CW

C4 1

U15 ADC 0809

ADDA ADDB ADDC OE START ALE CLK 2-1 MSB 2-2 2-3 2-4 2-5 2-6 2-7 2-8 LSB V+ VCC V- GND

IN7 IN6 IN5 IN4 IN3 IN2 IN1 IN0

QTY	ITEM	PART NUMBER	DESCRIPTION

	NAME	DATE
DFTS.	B.PATRICK	5/90
CHK.		
ENG.	T.BERTKA	5/90
MFG.		

MODEL	NEXT ASSY.
	0442-5040

FINISH:

Spectra-Physics, MOUNTAIN VIEW CA 94042

TOLERANCES, UNLESS OTHERWISE SPECIFIED: .X ± mm: ± .XX ± ANGLES: ± .XXX ± SURF.FIN: ✓

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GENERAL TOLERANCES PER S-P DOCUMENT NO. C-5124

SCHEMATIC
UNIVERSAL INTERFACE
P.C.B.

SCALE	SIZE	DRAWING NUMBER	SHEET	REV.
NONE	D	0442-5020	4 OF 5	D

PCAD
FILE:UIB4.SCH